

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS CONSUMER AND INDUSTRY SERVICES

DIRECTOR'S OFFICE BUREAU OF SAFETY AND REGULATION

GENERAL INDUSTRY SAFETY STANDARDS COMMISSION

Filed with the Secretary of State on May 5, 2015

These rules become effective immediately upon filing with the Secretary of State unless adopted under section 33, 44, or 45a(6) of 1969 PA 306.

Rules adopted under these sections become effective 7 days after filing with the Secretary of State.

(By authority conferred on the **director of the department of licensing and regulatory affairs by sections 16 and 21 of 1974 PA 154, and Executive Reorganization Order Nos. 1996-2, 2003-1, 2008-4, and 2011-4, MCL 445.2001, 445.2011, 445.2025, and 445.2030)**
~~general industry safety standards commission by sections 16 and 21 of Act No. 154 of the Public Acts of 1974, as amended, being SS408.1016 and 408.1021 of the Michigan Compiled Laws)~~

R 408.18602 of the Michigan Administrative Code is amended
and R 408.18605 of the Code is added, as follows:

PART 86. ELECTRIC POWER GENERATION, TRANSMISSION, AND DISTRIBUTION

R 408.18602 Adoption by reference of federal standard.

Rule 8602. (1) The provisions of 29 C.F.R. ~~§§~~1910.269, "Electric Power Generation, Transmission, and Distribution" **and appendices, of Subpart R,** except as amended in this rule, are adopted by reference in these rules. ~~and may be inspected at the Lansing office of the Michigan department of consumer and industry services. A copy of 29 C.F.R. §1910.269 is available from the United States Department of Labor, 801 South Waverly, Room 306, Lansing, Michigan 48917, or from the Michigan Department of Consumer and Industry Services, Safety Standards Division, 7150 Harris Drive, Box 30643, Lansing, Michigan 48909, at no charge as of the time of adoption of these rules.~~

(2) **A reference to C.F.R. §1910.5 "Applicability of standards," means Michigan Occupational Safety and Health Act (MIOSHA) 1974 PA 154, MCL 408.1001 to 408.1094.** All of the following provisions are amendments to federal regulations adopted by reference by the department of ~~consumer and industry services:~~

~~—(a) A reference to 29 C.F.R. §1910.269 in 29 C.F.R. part 1910, subpart R, is deemed to be a reference Part 39. Design Safety Standards for Electrical Systems and Part 40. Electrical Safety-Related Work Practices, being R 408.13901 and R 408.13902 and R 408.14001 et seq., respectively, of the Michigan Administrative Code.~~

~~—(b) A reference to 29 C.F.R. §1910.12, construction work, in 29 C.F.R. part 1910, subpart B, means construction as defined in Act No. 154 of the Public Acts of 1974, as amended, being §408.1001 et seq. of the Michigan Compiled Laws.~~

~~—(c) A reference to 29 C.F.R. §1910.269(a)(1)(iii) in 29 C.F.R. part 1910 means occupational safety and health standards as defined in Act No. 154 of the Public Acts of 1974, as amended, being §408.1001 et seq. of the Michigan Compiled Laws.~~

~~—(d) A reference to 29 C.F.R. §1910.151, medical services and first aid, in 29 C.F.R. part 1910, subpart K, means Michigan occupational safety and health act (MIOSHA) occupational health standards—medical services and first aid.~~

~~—(e) A reference to 29 C.F.R. §1910.147, control of hazardous energy—lockout, in 29 C.F.R. part 1910, subpart J, means general industry safety standard Part 85. The Control of Hazardous Energy Sources (Lockout/Tagout), being R 408.18501 et seq. of the Michigan Administrative Code.~~

~~—(f) A reference to 29 C.F.R. §1910.145, specifications for accident prevention signs and tags in 29 C.F.R. part 1910, subpart J, means general industry safety standard Part 37. Accident Prevention Signs and Tags, being R 408.13701 et seq. of the Michigan Administrative Code.~~

~~—(g) A reference to 29 C.F.R. §1910.146, permit required confined space, in 29 C.F.R. part 1910, subpart J, means general industry safety standard Part 90. Confined Space Entry, being R 408.19001 et seq. of the Michigan Administrative Code.~~

~~—(h) A reference to 29 C.F.R. §1926, excavation, in 19 C.F.R. part 1926, subpart P, means construction safety standard Part 9. Excavation, Trenching, and Shoring, being R 408.40901 et seq. of the Michigan Administrative Code.~~

~~—(i) A reference to 29 C.F.R. part 1910, subpart I, personal protective equipment, in 29 C.F.R. part 1910, means general industry safety standard Part 33. Personal Protective Equipment, being R 408.13301 et seq. of the Michigan Administrative Code.~~

~~—(j) A reference to 29 C.F.R. part 1926, subpart E, personal protective and life saving equipment, in 29 C.F.R. part 1926 means construction safety standard Part 45. Fall Protection, being R 408.14501 et seq. of the Michigan Administrative Code.~~

- ~~—(k) A reference to 29 C.F.R. s1926.959, power transmission and distribution, in 29 C.F.R. part 1926, subpart V, means construction safety standard Part 16. Power Transmission and Distribution, being R 408.41601 et seq. of the Michigan Administrative Code.~~
- ~~—(l) A reference to 29 C.F.R. part 1910, subpart D, walking and working surfaces, in 29 C.F.R. §1910.269 means the following MIOSHA general industry safety standards:~~
 - ~~—(i) Part 2. Floor and Wall Openings, Stairways, and Skylights, being R 408.40201 et seq. of the Michigan Administrative Code.~~
 - ~~—(ii) Part 3. Fixed Ladders, being R 408.40301 et seq. of the Michigan Administrative Code.~~
 - ~~—(iii) Part 4. Portable Ladders, being R 408.40401 et seq. of the Michigan Administrative Code.~~
 - ~~—(iv) Part 5. Scaffolds, being R 408.40501 et seq. of the Michigan Administrative Code.~~
 - ~~—(m) A reference to 29 C.F.R. s1910.67, vehicle-mounted elevating and rotating work platforms, in 29 C.F.R. part 1910, subpart F, means general industry safety standard Part 58. Vehicle-Mounted Elevating and Rotating Platforms, being R 45801 et seq. of the Michigan Administrative Code.~~
 - ~~—(n) A reference to C.F.R. s1910.26, portable metal ladders, in 29 C.F.R. part 1910, subpart D, means general industry safety standard Part 4. Portable Ladders, being R 408.45801 et seq. of the Michigan Administrative Code.~~
 - ~~—(o) A reference to 29 C.F.R. s1910.243(a)(5), guarding of portable powered tools, in 29 C.F.R. part 1910, subpart P, means R 408.13861(1) of general industry safety standard Part 38. Hand and Portable Powered Tools.~~
 - ~~—(p) A reference to 29 C.F.R. part 1910, subpart N, materials handling and storage, in 29 C.F.R. part 1910, subpart N, means all of the following MIOSHA general industry safety standards:~~
 - ~~—(i) Part 1. General Rules, being R 408.40101 et seq. of the Michigan Administrative Code.~~
 - ~~—(ii) Part 18. Overhead and Gantry Cranes, being R 408.41801 et seq. of the Michigan Administrative Code.~~
 - ~~—(iii) Part 19. Crawler, Locomotive, and Truck Cranes, being R 408.41901 et seq. of the Michigan Administrative Code.~~
 - ~~—(iv) Part 20. Underhung Cranes and Monorail Systems, being R 408.42001 et seq. of the Michigan Administrative Code.~~
 - ~~—(v) Part 21. Powered Industrial Trucks, being R 408.42101 et seq. of the Michigan Administrative Code.~~
 - ~~—(vi) Part 49. Slings, being R 408.44901 et seq. of the Michigan Administrative Code.~~
 - ~~—(vii) Part 59. Helicopters, being R 408.45901 et seq. of the Michigan Administrative Code.~~
 - ~~—(viii) Part 72. Automotive Service Operations, being R 408.47201 et seq. of the Michigan Administrative Code.~~
 - ~~—(ix) Part 13. Derricks, being R 408.41301 et seq. of the Michigan Administrative Code.~~
 - ~~—(q) A reference to 29 C.F.R. part 1926, subpart W, rollover protective structures, in 29 C.F.R. part 1926, subpart W, means construction safety standard Part 13. Mobile Equipment, being R 408.41301 et seq. of the Michigan Administrative Code.~~
 - ~~—(r) A reference to 29 C.F.R. s1910.266(c)(5), pulpwood logging, in 29 C.F.R. 1910, subpart R, means R 408.15131 and R 408.15136 of general industry safety standard Part 51. Logging.~~
 - ~~—(s) A reference to 29 C.F.R. s1910.97(a)(2) and (3), nonionizing radiation, in 29 C.F.R. part 1910, subpart G, means OH rule 2420(1)(c) and (d).~~
 - ~~—(t) A reference to 29 C.F.R. 1910, subpart Z, toxic and hazardous substances, in 29 C.F.R. part 1910, means R 325.51101 et seq. of the Michigan Administrative Code.~~

(3) A reference to C.F.R. §1910.12 “Construction work,” means Michigan Occupational Safety and Health Act (MIOSHA) 1974 PA 154, MCL 408.1001 to 408.1094. Copies of OH rule 2420(1)(c) and (d) and R 325.51101 et seq. are available at no charge as of the time of adoption of this rule from the Michigan Department of Consumer and Industry Services, Occupational Health Division, P.O. Box 30649, Lansing, Michigan 48909.

(4) A reference to C.F.R. §1910.25 “Portable wood ladders,” means General Industry Safety Standard Part 4 “Portable Ladders,” as referenced in R 408.18605.

(5) A reference to C.F.R. §1910.26 “Portable metal ladders,” means General Industry Safety Standard Part 4 “Portable Ladders,” as referenced in R 408.18605.

(6) A reference to C.F.R. §1910.67 “Vehicle-mounted elevating and rotating work platforms,” means General Industry Safety Standard Part 58 “Aerial Work Platforms,” as referenced in R 408.18605.

(7) A reference to C.F.R. §1910.97 “Nonionizing radiation,” means Occupational Health Standard Part 382 “Nonionizing Radiation,” as referenced in R 408.18605.

(8) A reference to C.F.R. §1910.135 “Head protection,” means General Industry Safety Standard Part 33 “Personal Protective Equipment,” as referenced in R 408.18605.

(9) A reference to C.F.R. §1910.141 “Sanitation,” means Occupational Health Standard Part 474 “Sanitation,” as referenced in R 408.18605.

(10) A reference to C.F.R. §1910.145 “Specifications for accident prevention signs and tags,” means General Industry Safety Standard Part 37 “Accident Prevention Signs and Tags,” as referenced in R 408.18605.

(11) A reference to C.F.R. §1910.146 “Permit-required confined space,” means General Industry Safety Standard Part 90 “Permit-Required Confined Spaces,” as referenced in R 408.18605.

(12) A reference to C.F.R. §1910.147 “Control of hazardous energy - lockout,” means General Industry Safety Standard Part 85 “The Control of Hazardous Energy Sources,” as referenced in R 408.18605.

(13) A reference to C.F.R. §1910.151 “Medical services and first aid,” means Occupational Health Standard Part 472 “Medical Services and First Aid,” as referenced in R 408.18605.

- (14) A reference to C.F.R. §1910.243 “Guarding of portable powered tools,” means General Industry Safety Standard Part 38 “Hand and Portable Powered Tools,” as referenced in R 408.18605.
- (15) A reference to C.F.R. §1910.266 “Logging operations,” means General Industry Safety Standard Part 51 “Logging,” as referenced in R 408.18605.
- (16) A reference to C.F.R. §1910.302 “Electric utilization systems,” means General Industry Safety Standard Part 39 “Design Safety Standards for Electrical Systems,” as referenced in R 408.18605.
- (17) A reference to C.F.R. §1910.303 “General,” means General Industry Safety Standard Part 39 “Design Safety Standards for Electrical Systems,” as referenced in R 408.18605.
- (18) A reference to C.F.R. §1910.304 “Wiring design and protection,” means General Industry Safety Standard Part 39 “Design Safety Standards for Electrical Systems,” as referenced in R 408.18605.
- (19) A reference to C.F.R. §1910.305 “Wiring methods, components, and equipment for general use,” means General Industry Safety Standard Part 39 “Design Safety Standards for Electrical Systems,” as referenced in R 408.18605.
- (20) A reference to C.F.R. §1910.306 “Specific purpose equipment and installations,” means General Industry Safety Standard Part 39 “Design Safety Standards for Electrical Systems,” as referenced in R 408.18605.
- (21) A reference to C.F.R. §1910.307 “Hazardous (classified) locations,” means General Industry Safety Standard Part 39 “Design Safety Standards for Electrical Systems,” as referenced in R 408.18605.
- (22) A reference to C.F.R. §1910.308 “Special systems,” means General Industry Safety Standard Part 39 “Design Safety Standards for Electrical Systems,” as referenced in R 408.18605.
- (23) A reference to C.F.R. §1910.331 “Scope,” means General Industry Safety Standard Part 40 “Electrical Safety-Related Work Practices,” as referenced in R 408.18605.
- (24) A reference to C.F.R. §1910.332 “Training,” means General Industry Safety Standard Part 40 “Electrical Safety-Related Work Practices,” as referenced in R 408.18605.
- (25) A reference to C.F.R. §1910.333 “Selection and use of work practices,” means General Industry Safety Standard Part 40 “Electrical Safety-Related Work Practices,” as referenced in R 408.18605.
- (26) A reference to C.F.R. §1910.334 “Use of equipment,” means General Industry Safety Standard Part 40 “Electrical Safety-Related Work Practices,” as referenced in R 408.18605.
- (27) A reference to C.F.R. §1910.335 “Safeguards for personnel protection,” means General Industry Safety Standard Part 40 “Electrical Safety-Related Work Practices,” as referenced in R 408.18605.
- (28) A reference to C.F.R. §1910.1200 “Hazard Communication,” means General Industry Safety Standard Part 92 “Hazard Communication,” and Occupational Health Standard Part 430 “Hazard Communication,” as referenced in R 408.18605.
- (29) A reference to C.F.R. Part 1910 Subpart D, “Walking – Working Surfaces,” means all of the following MIOSHA standards:
- (a) General Industry Safety Standard Part 2 “Floor and Wall Openings, Stairways, and Skylights,” as referenced in R 408.18605.
 - (b) General Industry Safety Standard Part 3 “Fixed Ladders,” as referenced in R 408.18605.
 - (c) General Industry Safety Standard Part 4 “Portable Ladders,” as referenced in R 408.18605.
 - (d) General Industry Safety Standard Part 5 “Scaffolding,” as referenced in R 408.18605.
- (30) A reference to C.F.R. Part 1910 Subpart I, “Personal Protective Equipment,” means General Industry Safety Standard Part 33 “Personal Protective Equipment,” as referenced in R 408.18605.
- (31) A reference to C.F.R. Part 1910 Subpart G, “Occupational Health and Environmental Control,” means all of the following MIOSHA standards:
- (a) Occupational Health Standard Part 380 “Occupational Noise Exposure in General Industry,” as referenced in R 408.18605.
 - (b) Occupational Health Standard Part 382 “Nonionizing Radiation,” as referenced in R 408.18605.
 - (c) Occupational Health Standard Part 520 “Ventilation Control,” as referenced in R 408.18605.
- (32) A reference to C.F.R. Part 1910 Subpart N, “Materials Handling and Storage,” means all of the following MIOSHA standards:
- (a) General Industry Safety Standard Part 1 “General Provisions,” as referenced in R 408.18605.
 - (b) General Industry Safety Standard Part 13 “Derricks,” as referenced in R 408.18605.
 - (c) General Industry Safety Standard Part 18 “Overhead and Gantry Cranes,” as referenced in R 408.18605.
 - (d) General Industry Safety Standard Part 19 “Crawler, Locomotive and Truck Cranes,” as referenced in R 408.18605.
 - (e) General Industry Safety Standard Part 20 “Underhung Cranes and Monorail Systems,” as referenced in R 408.18605.
 - (f) General Industry Safety Standard Part 21 “Powered Industrial Trucks,” as referenced in R 408.18605.
 - (g) General Industry Safety Standard Part 49 “Slings,” as referenced in R 408.18605.
 - (h) General Industry Safety Standard Part 59 “Helicopters,” as referenced in R 408.18605.
 - (i) General Industry Safety Standard Part 72 “Automotive Service Operations,” as referenced in R 408.18605.

- (33) A reference to C.F.R. Part 1910 Subpart S, "Electrical," means both of the following MIOSHA standards:
- (a) General Industry Safety Standard Part 39 "Design Safety Standards for Electrical Systems," as referenced in R 408.18605.
 - (b) General Industry Safety Standard Part 40 "Electrical Safety-Related Work Practices," as referenced in R 408.18605.
- (34) A reference to C.F.R. Part 1910 Subpart Z "Toxic and Hazardous Substances," means Occupational Health Standard Part 301 "Air Contaminants for General Industry," as referenced in R 408.18605.
- (35) A reference to C.F.R. §1926.54 "Nonionizing radiation," means Occupational Health Standard Part 681 "Radiation of Construction: Ionizing and Nonionizing," as referenced in R 408.18605.
- (36) A reference to C.F.R. §1926.100 "Head protection," means Construction Safety Standard Part 6 "Personal Protective Equipment," as referenced in R 408.18605.
- (37) A reference to C.F.R. §1926.200 "Accident prevention signs and tags," means Construction Safety Standard Part 22 "Signals, Signs, Tags, and Barricades," as referenced in R 408.18605.
- (38) A reference to C.F.R. §1926.502 "Fall protection systems criteria and practices," means Construction Safety Standard Part 45 "Fall Protection," as referenced in R 408.18605.
- (39) A reference to C.F.R. §1926.960 "Definitions applicable to Subpart V Power Transmission and Distribution," means Construction Safety Standard Part 16 "Power Transmission and Distribution," as referenced in R 408.18605.
- (40) A reference to C.F.R. Part 1926 Subpart M "Fall Protection," means Construction Safety Standard Part 45 "Fall Protection," as referenced in R 408.18605.
- (41) A reference to C.F.R. Part 1926 Subpart P "Excavations," means Construction Safety Standard Part 9 "Excavation, Trenching, and Shoring," as referenced in R 408.18605.
- (42) A reference to C.F.R. Part 1926 Subpart W "Rollover Protective Structures; Overhead Protection," means Construction Safety Standard Part 13 "Mobile Equipment," as referenced in R 408.18605.

R 408.18605 Adopted and referenced standards.

Rule 8605. (1) The provisions of 29 C.F.R. §1910.269 "Electric Power Generation, Transmission, and Distribution" as revised April 11, 2014, are adopted by reference in these rules, except as noted in R 408.18602. This standard is available from the United States Department of Labor, Occupational Safety and Health Administration website: www.osha.gov, at no charge as of the time of adoption of these rules.

(2) The standard adopted in these rules is available for inspection at the Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 7150 Harris Drive, Lansing, Michigan, 48909-8143.

(3) Copies of the standard adopted in these rules may be obtained from the publisher or may be obtained from the Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909-8143, at the cost charged in this rule, plus \$20.00 for shipping and handling.

(4) The Michigan occupational safety and health standards (MIOSHA) referenced in these rules are available at up to 5 copies of these standards at no charge from the Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 7150 Harris Drive, P.O. Box 30643, Lansing, MI, 48909-8143 or via the internet at website: www.michigan.gov/miohastandards. For quantities greater than 5, the cost, at the time of adoption of these rules, is 4 cents per page.

(5) The following MIOSHA construction safety standards (CS) are referenced in these rules:

- (a) CS Part 6 "Personal Protective Equipment," R 408.40601 to R 408.40641.
- (b) CS Part 9 "Excavation, Trenching, and Shoring," R 408.40901 to R 408.40953.
- (c) CS Part 13 "Mobile Equipment," R 408.41301.
- (d) CS Part 16 "Power Transmission and Distribution," R 408.41601 to R 408.41658.
- (e) CS Part 22 "Signals, Signs, Tags, and Barricades," R 408.42201 to R 408.42243.
- (f) CS Part 45 "Fall Protection," R 408.44501 to R 408.44502.

(6) The following MIOSHA general industry safety standards (GI) are referenced in these rules:

- (a) GI Part 1 "General Provisions," R 408.10001 to R 408.10098.
- (b) GI Part 2 "Floor and Wall Openings Stairways and Skylights," R 408.10201 to R 408.10241.
- (c) GI Part 3 "Fixed Ladders," R 408.10301 to R 408.10372.
- (d) GI Part 4 "Portable Ladders," R 408.10401 to R 408.10456.
- (e) GI Part 5 "Scaffolding," R 408.10501 to R 408.10592.
- (f) GI Part 13 "Derricks," R 408.11301.
- (g) GI Part 18 "Overhead and Gantry Cranes," R 408.11801 to R 408.11875.
- (h) GI Part 19 "Crawler, Locomotive and Truck Cranes," R 408.11901 to R 408.11972.
- (i) GI Part 20 "Underhung Cranes and Monorail Systems," R 408.12001 to R 408.12045.
- (j) GI Part 21 "Powered Industrial Trucks," R 408.12101 to R 408.12193.
- (k) GI Part 33 "Personal Protective Equipment," R 408.13301 to R 408.13398.
- (l) GI Part 37 "Accident Prevention Signs and Tags," R 408.13701 to R 408.13736.
- (m) GI Part 38 "Hand and Portable Powered Tools," R 408.13801 to R 408.13882.

- (n) GI Part 39 "Design Safety Standards for Electrical Systems," R 408.13901 to R 408.13902.
- (o) GI Part 40 "Electrical Safety-Related Work Practices," R 408.14001 to R 408.14009.
- (p) GI Part 49 "Slings," R 408.14901 to R 408.14965.
- (q) GI Part 51 "Logging," R 408.15101 to R 408.15181.
- (r) GI Part 58 "Aerial Work Platforms," R 408.15801 to R 408.15842.
- (s) GI Part 59 "Helicopters," R 408.15901 to R 408.15931.
- (t) GI Part 72 "Automotive Service Operations," R 408.17201 to R 408.17253.
- (u) GI Part 85 "The Control of Hazardous Energy Sources," R 408.18501 to R 408.18599.
- (v) GI Part 90 "Permit-Required Confined Spaces," R 408.19001 to R 408.19002.
- (w) GI Part 92 "Hazard Communication," R 408.19201 to R 408.19204.
- (7) The following MIOSHA occupational health standards (OH) are referenced in these rules:
 - (a) OH Part 301 "Air Contaminants for General Industry," R 325.51101 to R 325.51108.
 - (b) OH Part 380 "Occupational Noise Exposure in General Industry," R 325.60101 to R 325.60128.
 - (c) OH Part 382 "Nonionizing Radiation," R 325.60701 to R 325.60704.
 - (d) OH Part 430 "Hazard Communication," R 325.77001 to R 325.77004.
 - (e) OH Part 472 "Medical Services and First Aid," R 325.47201.
 - (f) OH Part 474 "Sanitation," R 325.47401 to R 325.47427.
 - (g) OH Part 520 "Ventilation Control," R 325.52001 to R 325.52012.
 - (h) OH Part 681 "Radiation of Construction: Ionizing and Nonionizing," R 325.68101 to R 325.68102.
- (8) The appendices to these rules are informational only and are not intended to create any additional obligations or requirements not otherwise imposed by these rules or to detract from any established obligations or requirements.